	Application No.	Applicant(s)	
Notice of Allowability	09/510,061	HOBEL ET AL.	
	Examiner	Art Unit	Τ
	Rabon Sergent	1711	
The MAILING DATE of this communication appeal All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED ir or other appropriate commu GHTS. This application is s	n this application. If not including this application. If not including the transfer is the transfer of the transfer in the transfer is the transfer of the transfer is the transfer of the transfer is the transfer of the tr	led course. THIS
1. This communication is responsive to amendment filed Aug	<u>ust 5, 2005</u> .		
2. The allowed claim(s) is/are 1-14 and 16-24.			
3. The drawings filed on are accepted by the Examine	r.		
 4. Acknowledgment is made of a claim for foreign priority una) All b) Some* c) None of the: 1. Certified copies of the priority documents have 2. Certified copies of the priority documents have 3. Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. CORRECTED DRAWINGS (as "replacement sheets") must (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No./Mail Date (b) including changes required by the attached Examiner's Paper No./Mail Date Identifying Indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the capacity of the control of the capacity of the deposition of the capacity of the capacity of the deposit of the capacity of the capaci	been received. been received in Application of the communication to file IENT of this application. be reason(s) why the oath or the submitted. con's Patent Drawing Review of Amendment / Comment or the header according to 37 CF sit of BIOLOGICAL MATE	on No. EP98/05487. If in this national stage application this national stage application are play complying with the respective of the declaration is deficient. If (PTO-948) attached in the Office action of the drawings in the front (not the R 1.121(d). ERIAL must be submitted.	equirements NOTICE OF
attached Examiner's comment regarding REQUIREMENT	FOR THE DEPOSIT OF BIO	DLOGICAL MATERIAL.	Note the
Attachment(s)		<u>-</u>	
 Notice of References Cited (PTO-892) Notice of Draftperson's Patent Drawing Review (PTO-948) 	_	formal Patent Application (PT ummary (PTO-413),	O-152)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/0	Paper No./	Mail Date Amendment/Comment	
Paper No./Mail Date 4. Examiner's Comment Regarding Requirement for Deposit		Statement of Reasons for Alle	nwance
of Biological Material	9. 🔲 Other		
		RABON SERI PRIMARY EXA	GENT MINER

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Amend claims 1 and 10 as follows:

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1. (Currently Amended) A coating composition comprising a compound comprising at least one bicyclo-orthoester group having latent hydroxyl groups and at least one hydroxyl reactive functional group represented by the following formula I

$$(A)_x-B-(C)_y \qquad \qquad (I)$$

wherein

x and y are independently selected from 1 to 10;

A has the structure according to the following formula II

wherein

X and Z are independently from each other selected from linear or branched alk(en)ylene groups with 1-4 carbon atoms optionally containing an oxygen or a nitrogen atom;

Y is nothing or is selected independently of X and Z from linear or branched alk(en)ylene groups with 1-4 carbon atoms optionally containing an oxygen or a nitrogen atom;

one of R_1 and R_2 is a monovalent radical of hydrogen, hydroxyl or alk(en)yl groups having 1-30 carbon atoms which are linear or branched and optionally contains oxygen atoms, nitrogen atoms, sulphur atoms, and/or ester groups; the other of R_1 and R_2 is a divalent radical with alk(en)ylene groups having 1-10 carbon atoms which groups are linear or branched and optionally contain oxygen atoms, nitrogen atoms, sulphur atoms, and/or ester groups;

B is a divalent radical of aromatic, aliphatic, cycloaliphatic, and araliphatic hydrocarbon groups having 1-40 carbon atoms which groups are linear or branched and optionally contain oxygen atoms, nitrogen atoms, sulphur atoms, phosphorus atoms, sulphone groups, sulphoxy groups, amine groups, amide groups, urea groups, urethane groups, and/or ester groups; ester groups; ether groups; amide groups; thioester groups; thioamide groups; urethane groups; or urea groups;

C is a hydroxyl reactive functional group selected from the following formulae:

$$--R_3-N=-C=-O$$
 (XXIII)

$$-R_{3}-N-C-O-N = \begin{pmatrix} R_{4} & & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & & \\ & & &$$

$$R_3$$
— C — O — C — R_4 (XXX)

$$-R_3$$
 O (XL)

wherein R_3 is selected from the group of alk(en)ylene groups having 1-10 carbon atoms which groups are linear or branched and optionally contain one or more

ether, ester, urea, urethane, amide, and/or amine groups, and R_4 , R_5 , R_6 , R_7 and R_8 are independently from each other selected from the group of alk(en)yl groups having 1-10 carbon atoms which groups are linear or branched.

10. (Currently Amended) A coating composition comprising a first compound comprising at least one bicyclo-orthoester group and at least one other functional group wherein said first compound is_either 4-ethyl-1-(ethoxycarbonylmethyl)2,6,7-trioxabicyclo[2.2.2]octane or represented by the following formula I

$$(A)_{x}-B-(C)_{y} \qquad \qquad (I)$$

wherein

x and y are independently selected from 1 to 10;
A has the structure according to the following formula II

wherein

X and Z are independently from each other selected from linear or branched alk(en)ylene groups with 1-4 carbon atoms optionally containing an oxygen or a nitrogen atom;

Y is nothing or is selected independently of X and Z from linear or branched alk(en)ylene groups with 1-4 carbon atoms optionally containing an oxygen or a nitrogen atom;

one of R_1 and R_2 is a monovalent radical of hydrogen, hydroxyl or alk(en)yl groups having 1-30 carbon atoms which are linear or branched and optionally contains oxygen atoms, nitrogen atoms, sulphur atoms, and/or ester groups; the other of R_1 and R_2 is a divalent radical with alk(en)ylene groups having 1-10 carbon atoms which groups are linear or branched and optionally contain oxygen atoms, nitrogen atoms, sulphur atoms, and/orester groups;

B is a divalent radical of aromatic, aliphatic, cycloaliphatic, and araliphatic hydrocarbon groups having 1-40 carbon atoms which groups are linear or branched and optionally contain oxygen atoms, nitrogen atoms, sulphur atoms, phosphorus atoms, sulphone groups, sulphoxy groups, amine groups, amide groups, urea groups, urethane groups, and/or ester groups; ester groups; ether groups; amide groups; thioester groups; thioamide groups; urethane groups; or urea groups;

C is a functional group selected from the following formulae:

$$R_3$$
—O—P—OH (XXI) —R₃—S—OH (XXII)

$$-R_{3}-N=C=O \quad (XXIII)$$

$$-R_{3}-N=C=O \quad (XXIII)$$

$$-R_{3}-N=C=O \quad (XXIV)$$

$$-R_{3}-N=C \quad (XXIV)$$

$$-R_{3}-N=C=O \quad (XXIV)$$

$$-R_{3}-N=C \quad (XXIV)$$

$$-R_{$$

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$$-R_3$$
 O

wherein R_3 is an alk(en)ylene group having 1-10 carbon atoms which groups are linear or branched and optionally contain ether, ester, urea, urethane, amide, and/or amine groups, and R_4 , R_5 , R_6 , R_7 and R_8 are independently from each other selected from alk(en)yl groups having 1-10 carbon atoms which groups are linear or branched,

wherein the coating composition comprises a second compound comprising at least two hydroxyl reactive groups of isocyanate, epoxy, acetal, carboxyl, anhydride, and/or alkoxy silane groups, or the second compound is an amino resin.

This amendment is necessary to correct obvious typographical errors within the R variables of formula (XLIII) within claims 1 and 10. The amendment serves only to clarify the identity of the R variables within the formula.

Any inquiry concerning this communication should be directed to R. Sergent at telephone number (571) 272-1079.

RABON SERGENT PRIMARY EXAMINER

R. Sergent August 24, 2005 The following is an examiner's statement of reasons for allowance:

The prior art rejection of claims 10, 11, 16-19, and 24 in view of Hall et al. ('798) has been withdrawn in view of applicants' arguments within the response of August 5, 2005 and in view of further consideration of the reference. Though the examiner does not agree that the term "resin" should be construed as narrowly as argued by applicants, the examiner agrees that the term, "relatively low molecular weight resins" (column 3, lines 23 and 24 of the reference), refers to a low molecular weight polymerization product of the disclosed bicycloorthoester monomer, as opposed to the monomer, itself. Accordingly, it is agreed that the reference fails to recite a composition of the bicycloorthoester monomer and an isocyanate functional reactant.

The prior art rejection of claims 1-6, 10-13, 16-20, and 24 in view of WO 97/31073 or van den Berg et al. ('329 or '479) has been withdrawn in view of applicants' arguments set forth within the response of August 5, 2005.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication should be directed to R. Sergent at telephone number (571) 272-1079.